

**STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES**

DIVISION OF WATER RESOURCES

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WARM SPRINGS VALLEY (HYDROGRAPHIC BASIN 06-084)

**GROUNDWATER PUMPAGE INVENTORY
WATER YEAR 2011**

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ABSTRACT

This document presents groundwater pumpage in Warm Springs Valley and inventories ground water resources allocated by the Nevada Division of Water Resources (Office of the State Engineer) for that period beginning October 1, 2010, and ending September 30, 2011 (referred to as the 2011 water year).

The reported permitted and pumping figures (duties) are valid for the period covered by the report within the constraints of the data collected. The duties may vary from previously published figures as water rights within the basin are subject to administrative action such as certification, cancellation, forfeiture or withdrawal on a continuous basis.

For water year 2011 groundwater rights totaled up to **7,178** acre-feet annually. An estimated **2,173** acre-feet was pumped in the water year. This figure includes an estimated 347 acre-feet pumped for domestic use under an exemption as defined by Nevada Revised Statute [534.013](#) and are in addition to permitted uses.

Irrigation is and remains the leading permitted beneficial use of water in Warm Springs Valley at 1,674 acre-feet pumped of an allowed 5,678 acre-feet. All other permitted beneficial uses combined total 151 acre-feet pumped of 968 acre-feet allowed.

HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER	84, REGION 6	
HYDROGRAPHIC BASIN NAME	WARM SPRINGS VALLEY	
COUNTY	WASHOE	
MAJOR COMMUNITY	NONE	
DESIGNATED	YES	
DENIALS BASED UPON WATER AVAILABILITY	IRRIGATION - RULING 2478	
GROUNDWATER LEVEL MEASUREMENTS	YES; NDWR	
AVAILABLE INVENTORIES OF WATER PUMPED	1986 – 2010, INCLUSIVE	
ORDERS OF THE STATE ENGINEER		
<u>607</u>	- DESIGNATION	JANUARY 18, 1977
<u>1205</u>	- PREFERRED USE	MARCH 25, 2010

COMMITTED GROUNDWATER RESOURCES AS OF OCTOBER 1, 2011		7177.60 AF
IRRIGATION.....	5,677.62	STOCKWATER.....39.07
RECREATION.....	28.16	QUASI-MUNICIPAL.....209.18
COMMERCIAL.....	8.46	INDUSTRIAL (ENVIRONMENTAL).....684.97

NOTE: Committed groundwater resource data is accurate for October 1 of given year. Manner of use category totals vary over time, as water rights are not static. Water rights are subject to change application, certification, withdrawal, forfeiture and cancellation; each of these circumstances may impact the duty, diversion rate and place of use associated with a given right. The value associated with each manner of use category does not include those portions that have been relinquished in support of domestic wells. A total of 532.14 acre-feet have been relinquished in this basin as of 10/1/2011.

PURPOSE AND SCOPE

This document is intended to quantify groundwater pumpage in Warm Springs Valley and inventory ground water resources allocated by the Nevada Division of Water Resources (Office of the State Engineer) for that period beginning October 1, 2010, and ending September 30, 2011 (hereinafter referred to as the 2011 water year). This document estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, vested claims of right, and the amount pumped by exempt domestic wells within the basin.

DESCRIPTION OF STUDY AREA

Warm Springs Valley (AKA: Palomino Valley) lies north and east of the Reno-Sparks area approximately 12 miles along S.R. 445 (Pyramid Lake Highway) encompassing an area of about 250 square miles. Unlike most of Nevada, the valley is largely patented (private) land divided into mostly large parcels with the population spread throughout the valley. Warm Springs Valley is bounded on the north by the Virginia Mountains and on the northwest by Dogskin Mountain. The valley forms a salient into the Pah Rah Range to the southeast and a portion of the valley referred to as Hungry Valley forms a similar salient to the southwest bounded by Hungry Ridge to the south and east and Hungry and Warm Springs Mountains to the west. Hydrographic basins surrounding Warm Springs Valley are (clockwise from the south) Spanish Springs Valley (06-085); Lemmon Valley East (06-092B); Antelope Valley (06-093); Bedell Flat (06-094); Dry Valley (06-095); Pyramid Lake Valley (06-081); Dodge Flat (06-082); and Tracy Segment (06-083).

HYDROLOGY

Very little dependable surface water exists at the valley floor so underground sources provide the majority of the water placed to beneficial use. Warm Springs Creek from the north and Cottonwood Creek from the south drain into the valley from the surrounding mountains and are fully appropriated before they reach the valley floor. Mullen Creek intercepts drainage that overflows from Warm Springs Valley and conveys it to Pyramid Lake Valley on the northeast. Warm Springs and Cottonwood Creeks are perennial near the mountains but only reach the valley floor during periods of heavy runoff and, on rare occasion, overflow into Mullen Creek, an ephemeral stream. Several additional small named streams exist within the limits of Warm Springs Valley but none reach the valley floor on a regular basis. Snow courses, precipitation

gauges and stream flow measurements are not regularly performed in the mountains surrounding Warm Springs Valley or the streams therein. Perennial yield for groundwater has been estimated in Reconnaissance Series [Report 43](#)¹ at 3,000 acre-feet annually. Subsequent limited studies have arrived at a similar figure².

Depth to groundwater has been measured by the office of the State Engineer consistently since 1983. Currently the monitoring well network has 19 active and two inactive sites. Following are site names and links to the data (please see Appendix C for illustration of monitor well locations).

084 N21 E20 04CCC 1	084 N22 E21 05ADA 1	084 N23 E20 03CCCB1
084 N21 E20 08CCAD1	084 N22 E21 06AD 1	084 N23 E20 10BACA1
084 N21 E22 07DDDC1	084 N22 E21 07BD 1	084 N23 E20 13ABCA1
084 N22 E20 02CADD1	084 N22 E21 10CDD 1	084 N23 E20 22ABB 1
084 N22 E20 25AC 1	084 N22 E21 16BBD 1	084 N23 E20 35ABAB1
084 N22 E21 04DAC 1	084 N22 E21 21BB 1	084 N23 E21 18DAA 1
084 N22 E21 05AB 1	084 N22 E21 23CDA 1	084 N23 E21 32 CADC1

Water level data and a hydrograph may be viewed for each site on the Water Level Data page of the Nevada Division of Water Resources' website at <http://water.nv.gov/data/waterlevel/>. Groundwater level data has also been collected by Washoe County Utilities and the USGS (USGS data may be accessed at <http://nevada.usgs.gov/>).

METHODS TO ESTIMATE PUMPAGE

Crop and pumpage inventories are conducted in the fall of the named water year. Meters are read when present and use noted. Permitted and certificated irrigation water rights are typically additionally field checked at least once during the growing season to verify culture and estimate of water use. Those areas under irrigation from multiple rights from the same well will have the total use pro-rated over the entire area under irrigation regardless of culture. This means that the pumpage is divided amongst the valid rights and uniformly "spread out" over the place of use irrigated.

Primary data collection for water year 2011 was conducted in October of that year during which all water users in the basin were visited and meter readings, if available, collected.

¹ Entry (1) in the references.

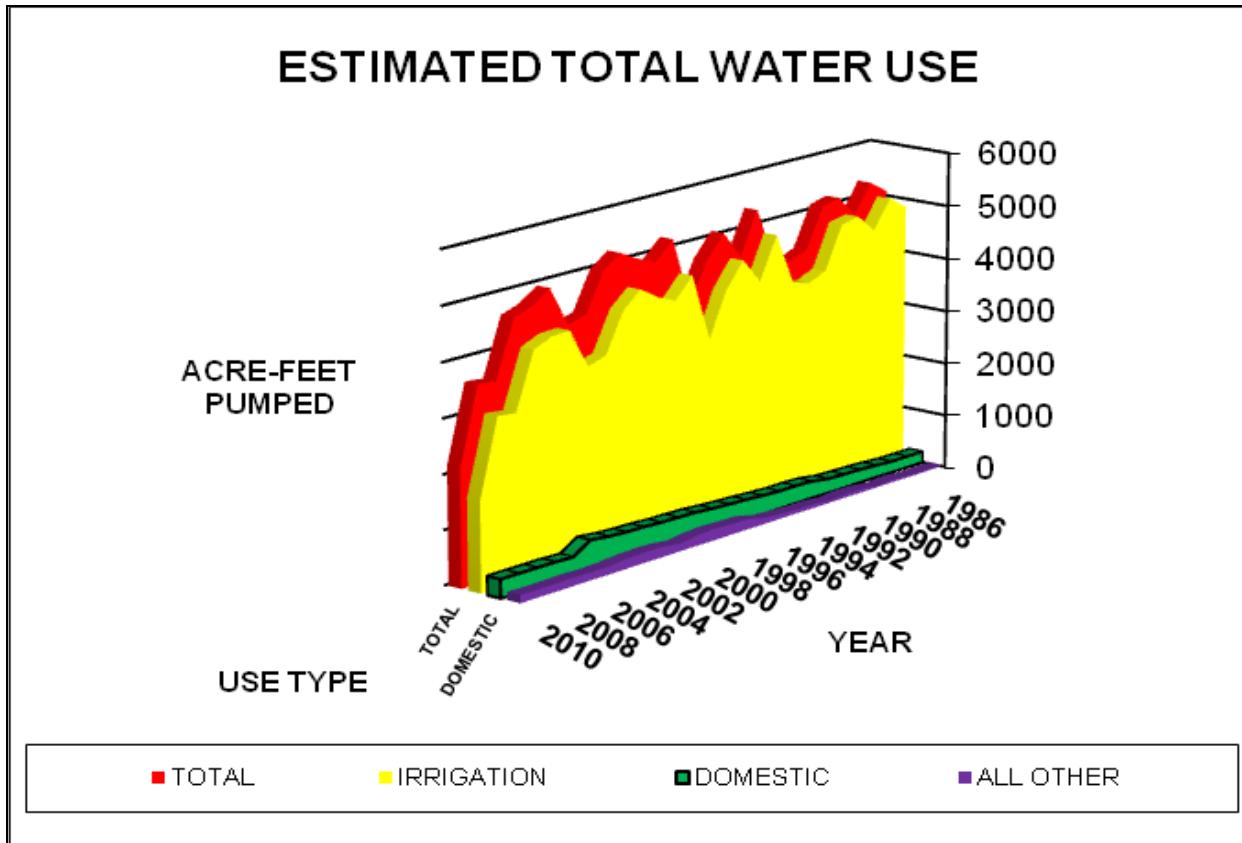
² Entries (2) and (3) in the references.

PUMPAGE BY MANNER OF USE

Total pumping from all sources, including domestic wells, was estimated as follows (see figures):

Water Year 2011 **2173** acre-feet.

FIGURE 1.



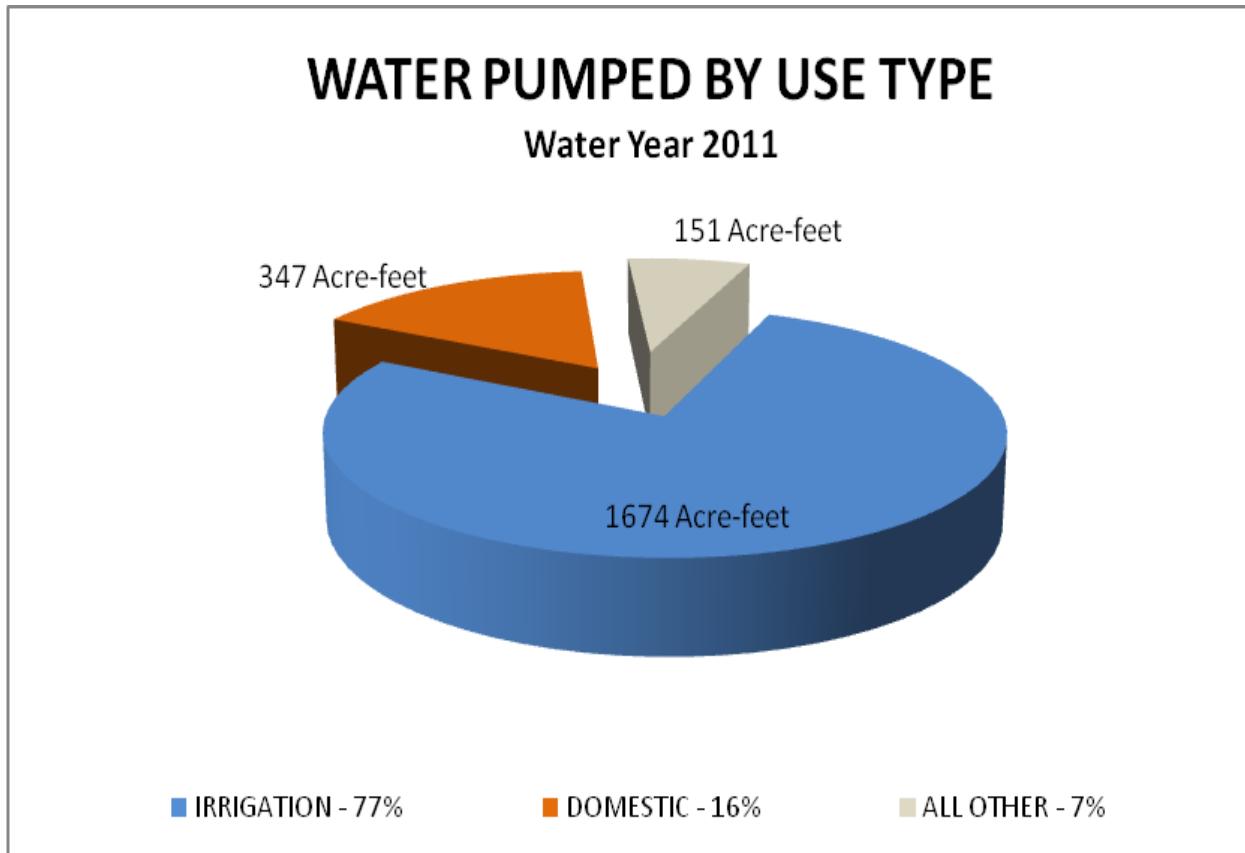
This shows a marked decrease from the 2010 pumping volume of 3576 acre-feet reflecting a continued reduction of water use due to relinquishments and a complete cessation of pumping by a major irrigator. This use is the lowest in the entire 25 year record of tracking water pumped in the valley. The instances of pumping in excess of the allowed duty were rare and appeared to be one user with total water diverted still well below the total committed (permitted) duty.

IRRIGATION:

Irrigation continues to represent the primary consumption of water with alfalfa, grass hay and turf as the major crops. An estimated **1674** acre-feet were pumped to this use. The

greatest concentration of irrigated land lies east of the Pyramid Lake Highway on and near land formerly controlled by MCO Properties, Inc. The next largest area of irrigation is scattered along the Winnemucca Ranch Road north of Range Land Road and on the Winnemucca Ranch.

FIGURE 2.



Additional irrigated land lies scattered about the valley in 0.5 to 20.0 acre fields usually accompanied by single-family dwellings.

DOMESTIC:

Domestic use was estimated from a count of domestic wells in use at 347 acre-feet. Since landscaping is minimal unless a water right (permit) is attendant, the annual duty was estimated based upon an average diversion rate of 1000 gallons per day. This yields an annual duty of 1.12 acre-feet annually per well in use. Verification has become possible through reading meters formerly associated with a water right. Metered wells utilized for domestic consumption from which a water right had been moved, allowed this verification.

STOCK WATER:

Stock watering was estimated based upon the number of animals watered at **31** acre-feet.

RECREATION:

Recreation accounted for **7** acre-feet at the Washoe County Regional Shooting Facility and at the Air Sailing, Inc. glider strip.

QUASI-MUNICIPAL:

Quasi-municipal use accounted for **62** acre-feet at the Reno-Sparks Indian Colony by Hungry Valley Utility District (H.V.U.D.), the volunteer fire station (T.M.F.P.D.), U.S.D.I. Bureau of Land Management fire station and Palomino Valley General Improvement District (P.V.G.I.D.).

INDUSTRIAL AND OTHER:

Industrial and other uses accounted for **52** acre-feet with the major use being environmental remediation at the old Rocketdyne sites.

SUPPLEMENTAL RIGHTS

One underground water right is supplemental to a surface water source in Warm Springs Valley on Home Ranch Canyon Creek and tributaries. Several underground rights are supplemental to other underground rights and are shown in the Summary (Appendix B) with either a reduced duty or a duty of “0.00” acre-feet.

RELINQUISHMENT

Water rights have been relinquished in favor of land division within Warm Springs Valley. Relinquished rights are considered “inactive” but are counted against the total water budget. At the close of water year 2011 **532** acre-feet of water rights had been relinquished to support creation of “new” parcels. Relinquished rights are not individually counted toward the water pumped totals presented in this report but are instead accounted for in the domestic well estimate, above.

REFERENCES

- 1) Rush, E.F., and Glancy, P.A., 1967, Water resources Appraisal of the Warm Springs - Lemmon Valley Area, Washoe County, Nevada: Nevada Department of Conservation and Natural Resources, Water Resources - Reconnaissance Series [Report 43](#).
- 2) Ross, W.C., 1997, Hydrology and Simulated Effects of Development in Warm Springs Valley, Washoe County, Nevada: Washoe County Department of Water Resources.
- 3) Katzer, T., 1997, Hydrogeology of Warm Springs Valley and Feasibility of Aquifer Recharge, Storage, and Recovery with Emphases (sic.) on the Marshall and Winnemucca Ranch Areas, Washoe County, Nevada: Prepared for Robert W. Marshall.

LEGEND

A number of abbreviations are used in the tables of this report. The following two pages are a brief discussion of the columns of the report and definitions of abbreviations utilized.

APPENDIX A: GROUNDWATER PUMPED BY PERMIT FOR WATER YEAR 2011

<u>COLUMN HEADING</u>	<u>DESCRIPTION</u>
PERMIT	Number of the approved application in the records of the State Engineer. AKA File Number
STAT	Status of the corresponding application at the end of the water year. See: Other Abbreviations Utilized for individual entry definitions.
MOU	Manner of use as approved. AKA Permitted use. See: Other Abbreviations Utilized For individual entry definitions.
PERMITTEE	Owner of record of all or a portion of the permit.
PLACE OF USE	Area in which use of water is authorized under the permit described by Public Land Survey System as follows:
Q1	¼ of a ¼ of a Section, typically about 40 acres
Q2	¼ of a Section, typically about 160 acres
SEC	Section, typically about 640 acres or one square mile.
T	Township, an area containing 36 Sections for a standard Township. All Townships in this report are reckoned as North from the Mount Diablo Base and Meridian.
R	Range, further defines the location of the Township. All Ranges in this report are reckoned as East from the Mount Diablo Base and Meridian.
UNITS/ACRES	Number of items allowed to be watered under the Permit/Area in acres allowed to be irrigated within the described Place of Use under the permit.
DUTY	Amount of water allowed by the terms of the permit. Numbers are in acre-feet (AF).
SUPP ADJ.	Duty that is accounted for elsewhere either as supplemental or in a change application permitted in the water year and listed in the table.
UNITS USED	Number of items observed to have been watered under the Permit/Area in acres observed to have been irrigated within the described Place of Use under the permit.
DUTY USED	Amount of water pumped from the well under the permit. Water estimated from meter readings or use type/number. Multiple permits from the same well are pro-rated between the permits.
CULTURE/UNIT TYPE	Description of crop (culture) irrigated or other use unit.
COMMENTS	Commentary to better describe use of water.

APPENDIX B: SUMMARY OF GROUNDWATER PUMPED

<u>COLUMN HEADING</u>	<u>DESCRIPTION</u>
APP. NO.	Application number in the records of the State Engineer. If an application is approved this number becomes the permit number. AKA: File number.
STATUS	Status of the corresponding application at the end of the water year. See: Abbreviations.
DUTY	Amount of water requested in the application or allowed by the terms of the permit. All figures are in acre-feet annually (AFA).
USE	Type of beneficial use to which water is applied.
20**	Amount of water pumped in the given water year under the corresponding application number. Figures are in acre-feet annually (AFA).

OTHER ABBREVIATIONS UTILIZED

CER	Certificated.
#####	Number appearing in a "STATUS" column indicates a certificate with number "#####."
PER	Permitted.
RFA	Application that is Ready For Action, i.e. protest period has expired.
REL	Relinquished water right.
APP	Application prior to expiration of the protest period.
ABR	Abrogated, i.e. changed by subsequent application.
T-ABR	Abrogated by a temporary application.
WDN	Application, permit or certificate Withdrawn by applicant, agent or successor in interest.
EXP	Expired temporary permit. If used in remarks column date on which a temporary expires.
REL	Permit or certificate Relinquished to the state.
T-PER	Temporary permit. Valid for no longer than one year from date of issue.
IRR	Irrigation use.
I&D	Irrigation and domestic use.
STK	Stock watering use.
S&D	Stock watering and domestic use.
Q-M	Quasi-municipal use.
IND	Industrial use.
ENV	Environmental remediation use.
E-PER	Permitted for environmental remediation.
C-#####	Certificate number "#####."
P-#####	Permit number "#####."
POD	Point of diversion.
BLM	U.S.D.I. Bureau of Land Management.

ABBREVIATIONS CONTINUED

USGS	U.S. Geological Survey
GID	General Improvement District.
AF/ac.	Acre-feet per acre.
**	Quantity unable to fit format, usually extensive.

APPENDIX A

**GROUNDWATER PUMPED BY PERMIT
FOR WATER YEAR 2011
AND
AREA OF CULTURE**

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
23888	8283	IRR	Tehama Holdings, Inc.	SE	SW	5	22	21	6.96	27.84		0.00	0.00	Untended alfalfa - dead	MCO well #3
23888	8283	IRR	Tehama Holdings, Inc.	NE	SE	5	22	21	1.69	6.76		0.00	0.00	Untended alfalfa - dead	
23888	8283	IRR	Tehama Holdings, Inc.	NW	SE	5	22	21	5.25	21.00		0.00	0.00	Untended alfalfa - dead	
23888	8283	IRR	Tehama Holdings, Inc.	SW	SE	5	22	21	39.40	157.60		0.00	0.00	Untended alfalfa - dead	
23888	8283	IRR	Tehama Holdings, Inc.	SE	SE	5	22	21	29.32	117.28		0.00	0.00	Untended alfalfa - dead	
23888	8283	IRR	Tehama Holdings, Inc.	NE	NW	8	22	21	3.85	15.40		0.00	0.00	Untended alfalfa - dead	
23888	8283	IRR	Tehama Holdings, Inc.	NE	NE	8	22	21	20.88	83.52		0.00	0.00	Untended alfalfa - dead	
23888	8283	IRR	Tehama Holdings, Inc.	NW	NE	8	22	21	33.25	133.00		0.00	0.00	Untended alfalfa - dead	
24099	7599	STK	U.S.D.I. - BLM	NW	NE	7	22	21	172	4.00		**	3.52	Horses	
27395	9317	REC	Air Sailing, Inc.	SW	SE	11	23	20	**	8.01		**	0.73	Travel trailers and shop	Same POD as 35565
32363	12348	IRR	Barbato, Gary E. & Brandt, Julie P.	SW	SE	10	22	21	6.00	24.00		0.50	0.66	Poor fields and trees	Model farm
34668	10495	I&D	Gariador Brothers	NE	NE	25	22	20	2.00	8.00		2.50	2.14	Poor alfalfa & trees	½ Ac trees not in certificated POU
35486	10034	IRR	Claypool, John G. & Susan D.	NW	SE	32	23	21	2.00	8.00		2.00	8.00	Pasture	Estimate; pasture in excellent condition
35565	11087	REC	Air Sailing, Inc.	SW	SE	11	23	20	**	0.17		**	2.51	Travel trailers and shop	Same POD as 27395
39166	10496	IRR	Michael B. Stewart Living Trust	NE	SW	32	23	21	1.95	7.80		0.00	0.00	Fallow and weeds	
39166	10496	IRR	Michael B. Stewart Living Trust	NW	SW	32	23	21	4.30	17.20		0.00	0.00	Fallow and weeds	
39167	10457	IRR	Douglas, Brent N.	NE	SE	4	22	21	3.60	14.40		3.60	13.26	Alfalfa	
39167	10457	IRR	Douglas, Brent N. & Washoe County	NW	SE	4	22	21	34.40	137.60		34.40	126.74	Alfalfa	Washoe Co. por. = 12 AFA active and REL 3 AF
39593	PER	I&D	Marshall, Robert W. & Nanette	NW	SW	29	24	20	16.15	64.60		0.00	0.02	Poor pasture & hay	
39849	PER	REC	Washoe County	NE	SE	18	23	21	**	19.98		**	3.29	Regional shooting facility.	
40587	11180	IRR	Condon & Murphy	NE	SE	16	22	21	6.25	25.00		0.00	0.00	Fallow	
42403	11875	Q-M	Truckee Meadows Fire Prot. District	NE	SE	6	22	21	**	0.02		**	0.01	Fire Station	New meter
43005	11238	IRR	Friedman, Terry	SE	NE	31	23	21	0.82	3.28		0.00	0.00	Weeds	No power or pump
43005	11238	IRR	Friedman, Terry	SW	NW	32	23	21	0.43	1.72		0.00	0.00	Weeds	Same POD as 53865
43006	11181	I&D	Bevilacqua, Margaret F.	NE	NW	34	22	21	2.00	8.00		0.00	0.00	Poor landscaping	Meter not required
45095	10798	I&D	Hildenbrand, Thomas R. & Jacqueline	NE	NE	2	22	20	2.00	8.00		0.00	0.00	Alfalfa	Same POD as 51002
46199	13137	IRR	Claypool, John G. Susan D.	NE	SE	32	23	21	17.06	68.24		9.15	19.28	Horse hay mix	Suspect meter issues; Por. REL (3.0 AF)
46199	13137	IRR	Claypool, John G. Susan D.	NW	SE	32	23	21	22.07	88.26		20.85	43.94	Horse hay mix	30 ac.pivot & 9.875 ac. wheel line/corner (not used).
47562	12057	I&D	Bailey, Wayne E.	NE	SE	35	23	20	4.00	16.00		4.00	17.38	Pasture and wood lot.	
47599	13820	IRR	Polizzi, Lewis H. & Nora	NW	SW	1	22	20	3.29	2.00		2.00	0.19	Orchard	Reduced duty per acre; Trees looking very scraggly
48819	12354	STK	Intermountain Land Company	SW	SW	8	21	20	350	5.20		**	0.90	Cattle	Light use, range recovering, maybe 40 head
49445	13822	IRR	Dagher	NE	SE	15	22	20	0.63	2.50		0.00	0.00	Trees (dead)	No use for years in cert POU
49669	11974	IRR	Intermountain Land Company	NE	NW	22	23	20	46.62	81.99		0.00	0.00	Fields dead/fallow	
49669	11974	IRR	Intermountain Land Company	SE	NW	22	23	20	46.37	81.55		0.00	0.00	Fields dead/fallow	
49669	11974	IRR	Intermountain Land Company & USA	NW	NE	22	23	20	5.20	9.15		0.00	0.00	Fields dead/fallow	Supp. to 49670; Cert. duty = 1.7587 AF/ac; East field (1.0 ac)
49669	11974	IRR	Intermountain Land Company & USA	SW	NE	22	23	20	33.26	58.49		0.00	0.00	Fields dead/fallow	East field (19.06 ac)
49669	11974	IRR	Intermountain Land Company & USA	SE	NE	22	23	20	2.40	4.22		0.00	0.00	Fields dead/fallow	East field; USA por. by BLM, 10.99 AFA
49670	11975	IRR	Intermountain Land Company	NE	NW	22	23	20	46.62	104.49		0.00	0.00	Fields dead/fallow	
49670	11975	IRR	Intermountain Land Company	SE	NW	22	23	20	46.37	103.93		0.00	0.00	Fields dead/fallow	
49670	11975	IRR	Intermountain Land Company & USA	NW	NE	22	23	20	5.20	11.65		0.00	0.00	Fields dead/fallow	Supp. to 49669; Cert. duty = 2.2413 AF/ac; East field (1.0 ac)
49670	11975	IRR	Intermountain Land Company & USA	SW	NE	22	23	20	33.26	74.55		0.00	0.00	Fields dead/fallow	East field (19.06 ac)
49670	11975	IRR	Intermountain Land Company & USA	SE	NE	22	23	20	2.40	5.38		0.00	0.00	Fields dead/fallow	East field; USA por. by BLM, 10.99 AFA
50021	13542	STK	U.S.D.I. - BLM	NW	NE	7	22	21	750	14.94		**	13.15	Horses	Same POD as 24099
50054	13051	I&D	McGuire, Kenneth L. & Sue C.	SE	NW	27	22	21	2.50	10.00		1.00	3.35	Fallow	No crop in evidence; trees and landscaping
50764	15254	I&D	Meredith, Marjorie	NW	SW	3	21	22	0.73	2.92		0.73	0.79	Grass pasture/hay.	Irrigated from surface sources (supplemental)
50764	15254	I&D	Meredith, Marjorie	SW	NW	3	21	22	5.27	21.08		0.00	0.00	Grass pasture/hay.	Irrigated from surface sources (supplemental)

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
51002	13241	I&D	Hildenbrand, Thomas R. & Jacqueline	NE	NE	2	22	20	3.00	12.00		0.00	0.00	Hay mix in poor condition	Same POD as 45095
51169	PER	I&D	Hemenway, Raymond F. & Gerda T.	SW	SE	14	22	21	2.00	8.00		2.00	2.13	Orchard & garden	Same POD as 51474
51474	PER	I&D	Hemenway, Raymond F. & Gerda T.	SW	SE	14	22	21	1.75	7.00		1.00	1.87	Orchard & garden	Same POD as 51169
52089	PER	Q-M	Reno-Sparks Indian Colony	SE	NW	4	21	20	164	18.37		**	0.00	Colony dwellings and public facilities	Supplemental to 53313 et.al. this well not pumped
52202	13311	IRR	Avila, Robert J.	NW	SE	22	22	21	4.00	16.00		4.00	10.95	Alfalfa	Same well as 52842
52842	13312	I&D	Avila, Robert J.	NW	SE	22	22	21	1.00	4.00		1.00	2.74	Alfalfa	Same well as 52202
53242	PER	I&D	Lehmkuhl, Otto L. & Patti A.	NW	SW	13	22	21						Pasture grass, alfalfa & orchard	
53242	PER	I&D	Lehmkuhl, Otto L. & Patti A.	SW	NW	13	22	21						Pasture grass, alfalfa & orchard	
53242	PER	I&D	Lehmkuhl, Otto L. & Patti A.	SE	NW	13	22	21	1.25	5.00		1.00	3.55	Pasture grass, alfalfa & orchard	
53275	14073	I&D	Solari, John A. & Sheila L.	NE	NW	30	22	21	1.00	4.00		1.00	4.00	Pasture grass	Same well as 56472
53304	12898	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	1.15	4.59		0.00	0.00	Harrowed and fallow	MCO Well #3
53306	12900	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	5.10	20.40		0.00	0.00	Harrowed and fallow	MCO Well #3
53307	12901	I&D	Tehama Holdings, Inc.	NW	SE	5	22	21	8.03	32.12		0.00	0.00	Harrowed and fallow	MCO Well #3
53308	12902	I&D	Tehama Holdings, Inc.	SE	SW	5	22	21	0.30	1.20		0.00	0.00	Harrowed and fallow	MCO Well #3
53308	12902	I&D	Tehama Holdings, Inc.	NE	SW	5	22	21	15.70	62.80		0.00	0.00	Harrowed and fallow	
53308	12902	I&D	Tehama Holdings, Inc.	NW	SE	5	22	21	11.97	47.88		0.00	0.00	Harrowed and fallow	
53308	12902	I&D	Tehama Holdings, Inc.	SE	NW	5	22	21	2.60	10.40		0.00	0.00	Harrowed and fallow	
53308	12902	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	1.40	5.60		0.00	0.00	Harrowed and fallow	
53313	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	55.10		**	15.07	Colony dwellings and public facilities	Supplemental to 52089 et.al.
53346	15930	I&D	Carter	NW	SW	12	22	20	0.38	1.50		0.38	1.50	Landscaping	Domestic use also; WaCo portion REL (2.5 AF)
53674	15949	IRR	Washoe Co.	NW	SE	15	22	21	0.63	2.50		0.00	0.00	Fallow	
54463	PER	I&D	Washoe County	NE	SE	16	22	21	0.25	1.00		0.00	0.00	Fallow	Same well as 40587; WaCo portion 5 AFA
54889	14080	IRR	Dennis, Gregory E. & Michele C.	SW	NE	36	23	20	2.50	10.00		2.50	12.45	Garden, woodlot and landscaping	Domestic use also
55326	PER	I&D	Roberts, Eric M. & Constance Louise	NE	NE	21	22	21	2.00	8.00		0.00	0.00		No development in POU
55483	PER	I&D	Brown, Donald & Carmen & Washoe Co.	SW	SE	25	22	20	0.38	1.50		0.38	0.17	Orchard & garden	Domestic use also; Washoe County portion REL (2.5 AF)
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42			18.80		Turf	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74			0.00		Fallow	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05			0.00		Fallow	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35			0.00		Fallow	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39			18.80		Turf	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26			14.40		Turf	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24			35.20		Hay	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32			0.00		Fallow	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20			0.00		Fallow	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18			0.00		Fallow	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	180.00		0.00	101.41	Fallow	MCO well #5; Duty this row is total for permit
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42			18.80		Turf	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74			0.00		Fallow	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05			0.00		Fallow	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35			0.00		Turf	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39			18.80		Turf	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26			14.40		Turf	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24			35.20		Turf	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32			0.00		Fallow	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20			0.00		Fallow	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18			0.00		Turf	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	43.36		0.00	24.40	Fallow	MCO well #5; Duty this row is total for permit
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42			18.80		Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74			0.00		Fallow	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05			0.00		Fallow	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35			0.00		Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39			18.80		Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26			14.40		Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24			35.20		Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32			0.00		Fallow	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20			0.00		Fallow	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18			0.00		Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	11.72		0.00	6.60	Fallow	MCO well #5; Duty this row is total for permit
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42			18.80		Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74			0.00		Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05			0.00		Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35			0.00		Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39			18.80		Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26			14.40		Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24			35.20		Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32			0.00		Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20			0.00		Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18			0.00		Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	304.68		0.00	171.65	Fallow	MCO well #5; Duty this row is total for permit
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42			18.80		Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74			0.00		Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05			0.00		Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35			0.00		Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39			18.80		Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26			14.40		Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24			35.20		Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32			0.00		Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20			0.00		Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18			0.00		Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	4.24		0.00	2.41	Fallow	MCO well #5; Duty this row is total for permit
55656	14987	IRR	Iacometti, Patrick R. Patricia A.	SW	NE	24	22	20	0.33	1.32		0.33	0.95	Orchard & garden	Domestic use also
55656	14987	IRR	Iacometti, Patrick R. Patricia A.	SE	NE	24	22	20	0.67	2.68		0.67	1.93	Orchard & garden	
55657	15950	I&D	Bennett, Howard D. & Debra L.	NW	SE	15	22	21	0.38	1.50		0.00	0.00	Fallow	Domestic use only; Same well as 55659
55658	15951	IRR	Bennett, Malo & Patrick	NW	SE	15	22	21	6.13	24.50		0.00	0.00	Fallow	Domestic use only; Same well as 55657
55659	15952	IRR	Bennett, Howard D. & Debra L.	NW	SE	15	22	21	1.00	4.00		0.00	0.00	Fallow	Domestic use only; Same well as 55658
56472	PER	I&D	Solari, John A. & Sheila L.	NE	NW	30	22	21	1.00	4.00		1.00	4.00	Pasture grass	Same well as 53275
57084	14031	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	10.23	40.92		0.00	0.00	Harrowed and fallow	
57084	14031	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	37.13	148.52		0.00	0.00	Harrowed and fallow	
57084	14031	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	12.61	50.44		0.00	0.00	Harrowed and fallow	
57084	14031	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	0.04	0.16		0.00	0.00	Harrowed and fallow	
57084	14031	IRR	Tehama Holdings, Inc.	NE	SE	31	23	21	0.10	0.40		0.00	0.00	Harrowed and fallow	
57084	14031	IRR	Tehama Holdings, Inc.	SE	SE	31	23	21	0.86	3.44		0.00	0.00	Harrowed and fallow	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
57084	14031	IRR	Tehama Holdings, Inc.	NW	SW	32	23	21	0.46	1.84		0.00	0.00	Harrowed and fallow	
57084	14031	IRR	Tehama Holdings, Inc.	SW	SW	32	23	21	36.00	144.00		0.25	1.54	Harrowed and fallow	Duty total for permit - well "burped" for dust suppression
57084	14031	IRR	Tehama Holdings, Inc.	SE	SW	32	23	21	4.94	19.76		0.00	0.00	Harrowed and fallow	MCO Well #1; POD (well) location N23E21 32bd
57085	14078	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	4.08	16.32		0.00	0.00	Harrowed and fallow	
57085	14078	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	5.38	21.52		0.00	0.00	Harrowed and fallow	
57085	14078	IRR	Tehama Holdings, Inc.	SE	SW	32	23	21	6.33	25.32		0.00	0.00	Harrowed and fallow	
57085	14078	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	7.34	29.36		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
57086	14032	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	17.60	70.40		0.00	0.00	Harrowed and fallow	Supplemental to P-57087
57086	14032	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	2.94	11.76		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
57086	14032	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	7.20	28.80		0.00	0.00	Harrowed and fallow	
57086	14032	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	0.36	1.44		0.00	0.00	Harrowed and fallow	
57087	14033	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	17.60	64.19	64.19	0.00	0.00	Harrowed and fallow	Certificated duty = 3.64733 AF/ac.
57087	14033	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	2.94	10.72	10.72	0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
57087	14033	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	7.20	26.26	26.26	0.00	0.00	Harrowed and fallow	
57087	14033	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	0.36	1.31	1.31	0.00	0.00	Harrowed and fallow	Supplemental to P-57086
57088	14034	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.39	1.56		0.00	0.00	Harrowed and fallow	Supplemental to 57089
57088	14034	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	1.88	7.52		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
57089	14035	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.39	1.56	1.56	0.00	0.00	Harrowed and fallow	Supplemental to 57088
57089	14035	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	1.88	7.52	7.52	0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
57090	14036	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	1.94	7.76		0.00	0.00	Harrowed and fallow	
57090	14036	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	0.66	2.64		0.25	0.22	Harrowed and fallow	Duty total for permit - well "burped" for dust suppression
57090	14036	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	4.62	18.48		0.00	0.00	Harrowed and fallow	Supplemental to 57091
57090	14036	IRR	Tehama Holdings, Inc.	SE	NE	6	22	21	7.11	28.44		0.00	0.00	Harrowed and fallow	MCO Well #1; POD (well) location N23E21 32bd
57091	14037	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	1.94	7.76	7.76	0.00	0.00	Harrowed and fallow	
57091	14037	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	0.66	2.64	2.64	0.00	0.00	Harrowed and fallow	
57091	14037	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	4.62	18.48	18.48	0.00	0.00	Harrowed and fallow	Supplemental to & duty under 57090
57091	14037	IRR	Tehama Holdings, Inc.	SE	NE	6	22	21	7.11	28.44	28.44	0.00	0.00	Harrowed and fallow	MCO Well #1; POD (well) location N23E21 32bd
57092	14038	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	0.19	0.76		0.00	0.00	Harrowed and fallow	
57092	14038	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	13.89	55.56		0.25	0.26	Harrowed and fallow	Duty total for permit - well "burped" for dust suppression
57092	14038	IRR	Tehama Holdings, Inc.	SE	NE	6	22	21	3.12	12.48		0.00	0.00	Harrowed and fallow	MCO Well #1; POD (well) location N23E21 32bd
57093	14039	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	0.12	0.48		0.00	0.00	Harrowed and fallow	
57093	14039	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	17.51	70.04		0.00	0.00	Harrowed and fallow	
57093	14039	IRR	Tehama Holdings, Inc.	NW	NE	6	22	21	3.58	14.32		0.00	0.00	Harrowed and fallow	
57093	14039	IRR	Tehama Holdings, Inc.	SW	SE	31	23	21	0.22	0.88		0.25	0.33	Harrowed and fallow	Duty total for permit - well "burped" for dust suppression
57093	14039	IRR	Tehama Holdings, Inc.	SE	SE	31	23	21	0.07	0.28		0.00	0.00	Harrowed and fallow	MCO Well #1; POD (well) location N23E21 32bd
57094	14040	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	0.57	2.28		0.00	0.00	Harrowed and fallow	
57094	14040	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	3.17	12.68		0.00	0.00	Harrowed and fallow	
57094	14040	IRR	Tehama Holdings, Inc.	SW	SE	31	23	21	1.06	4.24		0.00	0.00	Harrowed and fallow	
57094	14040	IRR	Tehama Holdings, Inc.	SE	SE	31	23	21	32.22	128.88		0.25	0.57	Harrowed and fallow	Duty total for permit - well "burped" for dust suppression
57094	14040	IRR	Tehama Holdings, Inc.	NE	SE	31	23	21	0.09	0.36		0.00	0.00	Harrowed and fallow	MCO Well #1; POD (well) location N23E21 32bd
57094	14040	IRR	Tehama Holdings, Inc.	SW	SW	32	23	21	0.54	2.16		0.00	0.00	Harrowed and fallow	
57095	14041	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	0.20	0.80		0.00	0.00	Harrowed and fallow	
57095	14041	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	2.07	8.28		0.00	0.00	Harrowed and fallow	
57095	14041	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	13.61	54.44		0.00	0.00	Harrowed and fallow	
57095	14041	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	14.72	58.88		0.00	0.00	Harrowed and fallow	
57095	14041	IRR	Tehama Holdings, Inc.	SE	NE	5	22	21	1.30	5.20		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
57444	15276	IRR	Carr, Fred M.	NE	SE	8	22	21	35.42			18.80		Turf	
57444	15276	IRR	Carr, Fred M.	NW	SE	8	22	21	1.74			0.00		Fallow	
57444	15276	IRR	Carr, Fred M.	SE	SE	8	22	21	12.05			0.00		Fallow	
57444	15276	IRR	Carr, Fred M.	NE	SW	9	22	21	40.35			0.00		Turf	
57444	15276	IRR	Carr, Fred M.	NW	SW	9	22	21	40.39			18.80		Turf	
57444	15276	IRR	Carr, Fred M.	SW	SW	9	22	21	40.26			14.40		Turf	
57444	15276	IRR	Carr, Fred M.	SE	SW	9	22	21	40.24			35.20		Turf	
57444	15276	IRR	Carr, Fred M.	NW	SE	9	22	21	40.32			0.00		Fallow	
57444	15276	IRR	Carr, Fred M.	SW	SE	9	22	21	40.20			0.00		Fallow	
57444	15276	IRR	Carr, Fred M.	NE	NW	16	22	21	40.18			0.00		Turf	
57444	15276	IRR	Carr, Fred M.	NW	NW	16	22	21	27.42	11.20		0.00	6.31	Fallow	MCO well #5; Duty this row is total for permit
57445	15277	I&D	Carr, Mark C. & Wilma F.	NE	SE	8	22	21	35.42			18.80		Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	SE	8	22	21	1.74			0.00		Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.	SE	SE	8	22	21	12.05			0.00		Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.	NE	SW	9	22	21	40.35			0.00		Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	SW	9	22	21	40.39			18.80		Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.	SW	SW	9	22	21	40.26			14.40		Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.	SE	SW	9	22	21	40.24			35.20		Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	SE	9	22	21	40.32			0.00		Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.	SW	SE	9	22	21	40.20			0.00		Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.	NE	NW	16	22	21	40.18			0.00		Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	NW	16	22	21	27.42	24.00		0.00	13.52	Fallow	MCO well #5; Duty this row is total for permit
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	SE	8	22	21	35.42			18.80		Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SE	8	22	21	1.74			0.00		Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SE	SE	8	22	21	12.05			0.00		Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	SW	9	22	21	40.35			0.00		Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SW	9	22	21	40.39			18.80		Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SW	SW	9	22	21	40.26			14.40		Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SE	SW	9	22	21	40.24			35.20		Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SE	9	22	21	40.32			0.00		Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SW	SE	9	22	21	40.20			0.00		Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	NW	16	22	21	40.18			0.00		Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	NW	16	22	21	27.42	20.80		0.00	11.71	Fallow	MCO well #5; Duty this row is total for permit
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	SE	8	22	21	35.42			18.80		Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SE	8	22	21	1.74			0.00		Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SE	SE	8	22	21	12.05			0.00		Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	SW	9	22	21	40.35			0.00		Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SW	9	22	21	40.39			18.80		Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SW	SW	9	22	21	40.26			14.40		Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SE	SW	9	22	21	40.24			35.20		Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SE	9	22	21	40.32			0.00		Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SW	SE	9	22	21	40.20			0.00		Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	NW	16	22	21	40.18			0.00		Turf	3.493 acres under certificate
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	NW	16	22	21	27.42	13.97		0.00	7.87	Fallow	MCO well #5; Duty this row is total for permit
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	SE	8	22	21	35.42			18.80		Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SE	8	22	21	1.74			0.00		Fallow	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
57448	15280	I&D	Carr, Mark C. & Wilma F.	SE	SE	8	22	21	12.05			0.00		Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	SW	9	22	21	40.35			0.00		Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SW	9	22	21	40.39			18.80		Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SW	SW	9	22	21	40.26			14.40		Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SE	SW	9	22	21	40.24			35.20		Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SE	9	22	21	40.32			0.00		Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SW	SE	9	22	21	40.20			0.00		Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	NW	16	22	21	40.18			0.00		Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	NW	16	22	21	27.42	5.50		0.00	3.10	Fallow	MCO well #5; Duty this row is total for permit
57664	15412	I&D	Cieri, Diane & Richard J.	NW	SE	16	22	21	2.00	8.00		2.00	8.15	Garden and landscaping	Domestic use also
57983	PER	I&D	Shreck, James & Connie	SE	NE	17	21	22	0.38	1.50		0.38	1.00	Grass Pasture	Domestic use also; WaCo por. REL (2.5 AF)
58507	14042	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	1.46	5.84		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
58507	14042	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.78	3.12		0.00	0.00	Harrowed and fallow	
58508	14043	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	8.43	33.72		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
58508	14043	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	4.57	18.28		0.00	0.00	Harrowed and fallow	
58509	14044	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	0.37	1.48		0.00	0.00	Harrowed and fallow	MCO Well #2; POD (well) location N22E21 05ba
58509	14044	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.28	1.12		0.00	0.00	Harrowed and fallow	
60214	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	165.31	55.10	**	7.37	Colony dwellings and public facilities	Supplemental to 52089 & 53313
60975	E-PER	ENV	The Boeing Company	SE	SE	29	22	21	**	16.13		**	0.00	Remediation	Well B-1A; Water pumped reported annually
62643	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	1.25	5.00		1.25	5.02	Pasture grass	Small pond too
62644	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	2.50	10.00		2.50	10.03	Pasture grass	Small pond too
62827	PER	I&D	Willey, Gus & Hazel M.	SE	SW	36	23	20	0.25	1.00		1.00	0.99	Trees & greenhouse	Domestic use also
62889	PER	IRR	Fahnestock Family Trust 07-95	SW	NE	8	22	21	21.87	80.00		6.20	76.61	Turf	
62889	PER	IRR	Fahnestock Family Trust 07-95	SE	NE	8	22	21	40.26			36.80		Turf	
62889	PER	IRR	Fahnestock Family Trust 07-95	N2	NW	9	22	21	70.00			52.00		Turf	
62889	PER	IRR	Fahnestock Family Trust 07-95	S2	N2	9	22	21	161.81			132.50		Turf	Well WT-1
62890	PER	IRR	Fahnestock Enterprises, Inc.	SW	NE	8	22	21	21.87	540.00		6.20	517.12	Turf	
62890	PER	IRR	Fahnestock Enterprises, Inc.	SE	NE	8	22	21	40.26			36.80		Turf	
62890	PER	IRR	Fahnestock Enterprises, Inc.	N2	NW	9	22	21	70.00			52.00		Turf	
62890	PER	IRR	Fahnestock Enterprises, Inc.	S2	N2	9	22	21	161.81			132.50		Turf	Well WT-1
63064	15932	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.00	8.00		0.00	0.00	Fallow	Same well as 63065 et.al; Well failed
63065	15933	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.75	11.00		0.00	0.00	Fallow	Same well as 63064 et.al.
63070	E-PER	ENV	The Boeing Company	SE	18	22	22	**	48.39		**	0.00	Remediation	Wells CEX-4, CEX-5, CEX-6; Water pumped reported annually	
63071	E-PER	ENV	The Boeing Company	SE	18	22	22	**	48.39		**	0.00	Remediation	Wells CEX-1, CEX-2, CEX-3; Water pumped reported annually	
63072	15934	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Fallow	Same well as 63064 et.al.
63074	15935	IRR	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.50	6.00		0.00	0.00	Fallow	Same well as 63064 et.al.
63456	15939	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Fallow	Same well as 63064 et.al.
63708	15940	IRR	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.50	10.00		0.00	0.00	Fallow	Same well as 63064 et.al.
64011	PER	IRR	F & M Family Trust	SW	SE	19	22	21	2.00	8.00		2.00	3.15	Pasture	Same well as 69226; Arena and home
64265	15941	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.00	8.00		0.00	0.00	Fallow	Same well as 63064 et.al.
64266	15942	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Fallow	Same well as 63064 et.al.
64268	15943	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Fallow	Same well as 63064 et.al.
64269	15944	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.13	8.50		0.00	0.00	Fallow	Same well as 63064 et.al.
64501	15947	I&D	Washeo County	NE	SE	16	22	21	1.75	7.00		0.00	0.00	Fallow	Same well as 40587
64812	PER	I&D	Breese, Julianna T.	SW	SE	36	22	20	1.13	4.50		0.00	0.00		Domestic use only
65072	PER	I&D	Miller, Clel	SE	SW	10	22	21	9.75	39.00		0.00	0.00		Well only; Supplemental to 65073

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
65073	PER	I&D	Miller, Clel	SE	SW	10	22	21	9.75	39.00	39.00	0.00	0.00		Well only; Supplemental to 65072
65500	PER	I&D	Guidera, Leslie C.	SE	SE	35	23	20	3.00	12.00		3.00	12.72	Alfalfa	Equipped well, sheds and animal pens
65570	E-PER	ENV	The Boeing Company	NW	NW	13	22	21	**	177.40		**	3.64	Remediation	Wells DEX-2, DEX-9, DEX-10, DEX-13; Water pumped submitted annually
65571	E-PER	ENV	The Boeing Company	SW	SE	12	22	21	**	129.00		**	8.95	Remediation	Wells DEX-1, DEX-3, DEX-4, DEX-14, DEX-15; Water pumped submitted annually
65572	E-PER	ENV	The Boeing Company	SW	SW	7	22	21	**	56.40		**	12.43	Remediation	Wells DEX-5, DEX-6; Water pumped submitted annually
65573	E-PER	ENV	The Boeing Company	NW	SW	7	22	21	**	40.30		**	0.47	Remediation	Well DEX-7; Water pumped submitted annually
65680	PER	I&D	Pitts, Clifford M.	NW	NE	6	21	22	1.00	4.00		1.00	6.23		Mostly domestic
66411	PER	COM	Larry McFall Trust 8/20/2004	SW	SE	22	22	21	**	0.46		**	1.99	Truck garden & berries	Domestic use also; WaCo por. REL (3.38 AF)
67629	PER	IRR	Stone, Robert L. & Marilou	NE	NE	7	22	21	0.50	2.00		0.00	0.00		No well at POD; Domestic use on parcel from other well
67630	PER	IRR	Mann, Angela R. Beard- & Richard L.	NE	NE	35	22	21	0.63	2.50		0.63	0.27		Old well not in use; Domestic use on parcel from other well
67632	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	18.37	18.37	**	5.22	Colony dwellings and public facilities	Supplemental to 52089 et.al
67633	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	18.37	18.37	**	0.00	Colony dwellings and public facilities	Supplemental to 52089 et.al; unequipped
67732	PER	I&D	Hudspeth, Richard L.	NW	NE	27	22	21	0.50	2.00		0.50	0.45		Same well as 69023; Domestic use from different well
67952	PER	IRR	Baptiste, Johnson & Richardson, et. Al.	SE	SW	16	22	21	1.25	5.00		0.00	0.00		No well or meter; Dom. use from other well; Por. REL 01/20/2011 (7.5AF)
67992	PER	IRR	Jones, Gregory W. & Laura	NE	SW	2	22	20						1/2 acre pasture; trees	Domestic use from other well
67992	PER	IRR	Jones, Gregory W. & Laura	NW	SW	2	22	20						trees	Third well on property
67992	PER	IRR	Jones, Gregory W. & Laura	SE	SW	2	22	20	2.38	9.50		2.38	2.22		Meter now on permitted well
68067	17270	IRR	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20	10.00	40.00		10.00	40.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68068	17271	IRR	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20	2.50	10.00		2.50	10.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68068	17271	IRR	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	5.00	20.00		5.00	20.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68069	17272	I&D	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20	4.54	18.16		4.54	18.16	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68069	17272	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	0.46	1.84		0.46	1.84	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68070	17273	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	5.00	20.00		5.00	20.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68228	17293	IRR	Fahnestock Enterprises, Inc.	SW	NE	8	22	21	21.87	192.00		6.20	71.22	Turf	
68228	17293	IRR	Fahnestock Enterprises, Inc.	SE	NE	8	22	21	40.26			36.80		Turf	
68228	PER	IRR	Fahnestock Enterprises, Inc.	N2	NW	9	22	21	70.00			52.00		Turf	
68228	PER	IRR	Fahnestock Enterprises, Inc.	S2	N2	9	22	21	161.81			132.50		Turf	Well WT-2
68300	PER	IRR	Rankin, Wayne C.	NE	NE	12	21	21						Trees and Llama	
68300	PER	IRR	Rankin, Wayne C.	SE	NE	12	21	21	1.00	4.00		1.00	0.88	Trees and Llama	
68313	PER	I&D	Carl D. Herold Trust 8/27/1999	NE	NE	14	23	20	1.50	6.00		1.50	0.25	Landscaping	Shed; POD (well) N23E20 14ad
68314	PER	I&D	The Francis J. Fischer Trust	NW	NW	13	23	20	1.50	6.00		1.50	0.52	Landscaping	POD (well) N23E20 14ad
68315	PER	I&D	The Francis J. Fischer Trust	NW	NW	13	23	20	1.00	4.00		1.00	0.38	Landscaping	POD (well) N23E20 14ad
68709	PER	IRR	The Paulsue Living Tr. 3/10/1994 & WaCo	NW	NE	21	22	21	13.00	52.00		0.00	0.00	Fallow	Former Wendland Well; WaCo por. 32.0 AFA
68845	17294	I&D	Fahnestock Family Trust 05-95	NW	NE	9	22	21	13.00	52.00		13.00	19.29	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2; use outside certificated POU
68847	17295	I&D	Fahnestock Family Trust 05-95	NW	NE	9	22	21	7.00	28.00		7.00	10.39	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2; use outside certificated POU
68849	17296	I&D	Fahnestock Family Trust 05-95	NW	NE	9	22	21	5.00	20.00		5.00	7.42	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2; use outside certificated POU
68914	PER	I&D	Rankin Living Trust 12/3/2001	SE	NE	12	21	21	1.25	5.00		1.25	1.10	Trees and Llama	
68914	PER	I&D	Rankin Living Trust 12/3/2001	NE	NE	12	21	21						Trees and Llama	Same well as 68300
68915	PER	I&D	Rankin Living Trust 12/3/2001	SE	NE	12	21	21	1.30	5.20		1.30	1.15	Trees and Llama	Same well as 68300
68915	PER	I&D	Rankin Living Trust 12/3/2001	NE	NE	12	21	21						Trees and Llama	
68919	E-PER	ENV	The Boeing Company	SE	NE	7	22	22	**	24.18		**	0.00	Remediation	Well D-37A; Pump figures reported annually
69025	PER	IRR	Barnes, Larry E. & Annette R.	NE	SW	35	23	20	2.00	8.00		2.00	7.74	pastures for Draft Horses	Domestic use from other well
69169	E-PER	ENV	The Boeing Company	SW	SW	12	22	21	**	16.07		**	0.32	Remediation	Well DEX-16; POU large; Pump figures submitted annually
69226	PER	I&D	F & M Family Trust	SW	SE	19	22	21	2.38	9.50		2.38	3.74	Pasture and landscaping	Same well as 64011; WaCo por. REL (2.5 AF)
69432	E-PER	ENV	The Boeing Company	NW	NW	13	22	21	**	16.07		**	0.28	Remediation	Well DEX-17; POU large; Pump figures submitted annually
69580	17298	I&D	Reno-Sparks Indian Colony	SW	NE	8	22	21	0.97	3.88		6.20	1.44	Turf	POU same as 68300, et. al.

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
69580	17298	I&D	Reno-Sparks Indian Colony	SE	NE	8	22	21				36.80		Turf	
69580	17298	I&D	Reno-Sparks Indian Colony	N2	NW	9	22	21				52.00		Turf	
69580	17298	I&D	Reno-Sparks Indian Colony	S2	N2	9	22	21				132.50		Turf	Well WT-2
69582	17299	I&D	Reno-Sparks Indian Colony	SW	NE	8	22	21	3.03	12.12		6.20	4.50	Turf	POU same as 68300, et. al.
69582	17299	I&D	Reno-Sparks Indian Colony	SE	NE	8	22	21				36.80		Turf	
69582	17299	I&D	Reno-Sparks Indian Colony	N2	NW	9	22	21				52.00		Turf	
69582	17299	I&D	Reno-Sparks Indian Colony	S2	N2	9	22	21				132.50		Turf	Well WT-2
69584	17300	I&D	Reno-Sparks Indian Colony	SW	NE	8	22	21	1.50	6.00		6.20	2.23	Turf	POU same as 68300, et. al.
69584	17300	I&D	Reno-Sparks Indian Colony	SE	NE	8	22	21				36.80		Turf	
69584	17300	I&D	Reno-Sparks Indian Colony	N2	NW	9	22	21				52.00		Turf	
69584	17300	I&D	Reno-Sparks Indian Colony	S2	N2	9	22	21				132.50		Turf	Well WT-2
69586	17301	I&D	Reno-Sparks Indian Colony	SW	NE	8	22	21	3.50	14.00		6.20	5.19	Turf	POU same as 68300, et. al.
69586	17301	I&D	Reno-Sparks Indian Colony	SE	NE	8	22	21				36.80		Turf	
69586	17301	I&D	Reno-Sparks Indian Colony	N2	NW	9	22	21				52.00		Turf	
69586	17301	I&D	Reno-Sparks Indian Colony	S2	N2	9	22	21				132.50		Turf	Well WT-2
69708	PER	Q-M	Reno-Sparks Indian Colony	SW	SE	31	22	20	164	45.92	45.92	**	12.98	Colony dwellings and public facilities	Supplemental to 52089 et.al.
69709	PER	Q-M	Reno-Sparks Indian Colony	SE	SE	31	22	20	164	45.92	45.92	**	12.74	Colony dwellings and public facilities	Supplemental to 52089 et.al.
69780	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	0.63	2.50		0.63	2.51	Pasture grass	0.625 ac.; Small pond too
69781	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	1.38	5.50		1.38	5.52	Pasture grass	1.375 ac.; Small pond too
69798	E-PER	ENV	The Boeing Company	NE	SW	28	22	21	**	15.98		**	0.00	Remediation	Wells B-10A, B-11A, B-20A & B-21A; Pump figures submitted annually
70223	E-PER	ENV	The Boeing Company	NE	SW	28	22	21	**	16.07		**	0.00	Remediation	Wells B-22, B-23, B-24 & B-25; Pump figures submitted annually
70762	PER	IRR	The Francis J. Fischer Trust	NW	NW	13	23	20	0.50	2.00		0.50	0.17	Landscaping	POD (well) N23E20 14ad
70763	PER	IRR	Herold, Carl D.	NE	NE	14	23	20	1.50	6.00		1.50	0.25	Landscaping	POD (well) N23E20 14ad
70856	PER	I&D	Cockerill, Edward J.	NW	NW	11	22	21	0.25	1.00		0.00	0.00	No meter	Same POU as 70857
70857	PER	I&D	Cockerill, Edward J.	NW	NW	11	22	21	0.25	1.00	1.00	0.25	0.26		Same POU as 70856
71589	PER	STK	U.S.D.I. - BLM	NW	NE	7	22	21	750	14.94		**	13.15		No well yet.
71744	PER	I&D	Palomino Valley Estates, Inc.	SE	SE	16	22	21	0.58	2.30		0.58	1.88		Same well as 71745; WaCo por. REL (2.5 AF)
71745	PER	IRR	Newell, George W. & Lolita L.	SE	SE	16	22	21	0.75	3.00		0.00	0.00		Same well as 71744
71777	PER	I&D	1998 R.O. & V.J. Wise Revocable Trust	SE	NE	11	22	21	0.25	1.00		0.25	0.50	Landscaping	Mostly domestic
71953	17302	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	4.75	19.00		0.00	7.05	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2
71953	17302	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21				0.00		Outside Certificated POU	
71954	17303	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	5.00	20.00		0.00	7.42	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2
71954	17303	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21				0.00		Outside Certificated POU	
71955	17304	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	5.00	20.00		0.00	7.42	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2
71955	17304	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21				0.00		Outside Certificated POU	
71956	17305	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	3.00	12.00		0.00	4.45	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2
71956	17305	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21				0.00		Outside Certificated POU	
71957	17306	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	3.25	12.50		0.00	4.64	Pumpkin on SE 1/4 NE 1/4 Sec. 9	Well WT-2
71957	17306	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21				0.00		Outside Certificated POU	
73117	E-PER	ENV	The Boeing Company	SE	18	22	22	**	8.03		**	0.00	0.00	Remediation	Well CEX-7; Water pumped reported annually
73238	PER	IRR	Baird, John W. & Ellen J.	S2	NE	25	22	21	1.50	6.00		1.50	5.01	Landscaping and trees	Same well as 73239
73239	PER	I&D	Baird, John W. & Ellen J.	S2	NE	25	22	21	0.38	1.50		0.38	1.25	Landscaping and trees	Same well as 73238; WaCo por. REL (2.5 AF)
73443	PER	I&D	Shirk, Clifford R. & Debra S.	NW	NE	15	22	21	5.00	20.00		2.00	3.05	Greenhouse and truck garden	
73568	PER	I&D	Carney, Ronald J. & Mary Anne	S2	NE	34	22	21	0.63	2.50		0.00	0.00	No meter	WaCo por. REL (10 AF)
73841	PER	Q-M	U.S.D.I. - BLM	SE	NW	4	22	21	**	1.50		**	1.47	Fire station	
74087	PER	I&D	Cook, Sue Ann & Smith, Rustin S.	SW	26	23	20	0.50	2.00		0.00	0.00	0.00		

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
74438	PER	I&D	MPG Land Holdings	S2	NW	34	22	21	3.63	14.50		0.00	0.00			
74438	PER	I&D	MPG Land Holdings		SW	34	22	21								
74439	PER	I&D	MPG Land Holdings & Washoe County	S2	NW	34	22	21	1.55	6.20		0.00	0.00			
74439	PER	I&D	MPG Land Holdings & Washoe County		SW	34	22	21								
74440	PER	IRR	MPG Land Holdings & Washoe County	S2	NW	34	22	21	1.25	5.00		0.00	0.00			
74440	PER	IRR	MPG Land Holdings & Washoe County		SW	34	22	21								
74441	PER	IRR	MPG Land Holdings & Washoe County	S2	NW	34	22	21	9.20	36.80		0.00	0.00			
74441	PER	IRR	MPG Land Holdings & Washoe County		SW	34	22	21								
74442	PER	IRR	Millennium Properties of Northern Nevada	S2	NW	34	22	21	5.00	20.00		0.00	0.00			
74442	PER	IRR	Millennium Properties of Northern Nevada		SW	34	22	21								
74986	PER	ENV	The Boeing Company	SW	NE	7	22	22	**	32.26		**	23.37	Remediation	Well D-53A	
75272	PER	I&D	The Cuneo Family Trust	SW	SW	15	22	21	10.00	40.00		0.00	0.00			
75273	PER	I&D	The Cuneo Family Trust	SW	SW	15	22	21	2.36	9.42		0.00	0.00		2.355 acres	
75274	PER	I&D	The Cuneo Family Trust	SW	SW	15	22	21	2.02	8.08		0.00	0.00			
75426	PER	COM	The Ronald L. Olson Trust & Washoe Co.	SW	SE	26	22	21	**	0.05		**	0.01	Horse Arena	See 75428 and 75550 et.al.	
75426	PER	COM	The Ronald L. Olson Trust & Washoe Co.	NW	NE	35	22	21								
75427	PER	I&D	The Ronald L. Olson Trust & Washoe Co.	E2	NW	22	22	21	1.00	4.00		0.50	1.00	Horse Boarding		
75428	ABR	COM	Washoe County	SW	SE	26	22	21	**	5.00	5.00	**	0.00	Horse Arena	ABR by 79769 12/29/2010; See 75426 and 75550 et.al.	
75428	ABR	COM	Washoe County	NW	NE	35	22	21								
75473	PER	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	3.21	12.84		0.00	0.00	Harrowed and fallow	MCO #2	
75473	PER	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	7.66	30.64		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	SE	NE	5	22	21	0.12	0.48		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	0.34	1.36		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	0.34	1.36		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	0.17	0.68		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	SE	SE	32	23	21	3.55	14.20		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	13.07	52.28		0.00	0.00	Harrowed and fallow		
75473	PER	IRR	Tehama Holdings, Inc.	SE	SW	32	23	21	0.24	0.96		0.00	0.00	Harrowed and fallow		
75550	PER	I&D	The Ronald L. Olson Trust & Washoe Co.	SW	SE	26	22	21	0.38	1.50		0.00	0.00	0.375 acres and Horse Arena	See 75426 and 75550 et.al.	
75550	PER	I&D	The Ronald L. Olson Trust & Washoe Co.	NW	NE	35	22	21								
75551	PER	I&D	The Ronald L. Olson Trust & Washoe Co.	SW	SE	26	22	21	0.88	3.50		0.00	0.00	0.875 acres and Horse Arena	See 75426 and 75550 et.al.	
75551	PER	I&D	The Ronald L. Olson Trust & Washoe Co.	NW	NE	35	22	21								
75552	PER	I&D	The Ronald L. Olson Trust	SW	SE	26	22	21	1.13	4.50		0.50	0.12	1.125 acres and Horse Arena	See 75426 and 75550 et.al.	
75552	PER	I&D	The Ronald L. Olson Trust	NW	NE	35	22	21								
75553	PER	I&D	Pratt, Tom & Lannette	W2	NW	4	22	21	15.30	61.20		15.30	63.83	Alfalfa	Same well as 77496	
76042	PER	Q-M	Palomino Valley G.I.D.	SW	SE	33	23	21	**	1.00		**	0.34	Road maintenance	Same well as 76937, et.al.; POU all roads in valley	
76043	PER	Q-M	Palomino Valley G.I.D.	SW	SE	33	23	21	**	4.00		**	1.34	Road maintenance	Same well as 76042, et.al.; POU all roads in valley	
76641	CAN	IRR	Jordan, Timothy R. & Washoe County	E2	SE	10	22	21	0.13	0.50	0.50				CAN 09/21/2011; WaCo por. REL 01/20/2011	
76648	PER	I&D	Rollie Revocable Trust	SW	SW	26	22	22	1.00	4.00		0.00	0.00			
76937	PER	Q-M	Palomino Valley G.I.D.	SW	SE	33	23	21	**	4.00		**	1.34	Road maintenance	Same well as 76043, et.al.; POU all roads in valley	
76938	PER	Q-M	Palomino Valley G.I.D.	SW	SE	33	23	21	**	4.98		**	1.67	Road maintenance	Same well as 76042, et.al.; POU all roads in valley	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS		
				Q1	Q2	SEC	T	R									
77037	PER	I&D	The Richardson Family Trust 1998	NE	NW	5	21	22	1.88	7.50		0.00	0.00	1.875 acres			
77037	PER	I&D	The Richardson Family Trust 1998	E2	NW	32	22	22									
77037	PER	I&D	The Richardson Family Trust 1998	E2	SW	32	22	22									
77122	PER	I&D	Washoe County	SE	SE	1	21	21	1.25	5.00		0.00	0.00				
77316	PER	I&D	Moe/Mercier Living Trust	N2	NE	29	22	22	10.00	40.00		0.00	0.00				
77335	PER	Q-M	Palomino Valley G.I.D.	SW	SE	33	23	21	**	8.00		**	2.68				
77496	PER	I&D	Condon, Philip E. & Heather C.	NW	NW	4	22	21	2.50	10.00		2.50	10.43	Alfalfa	Same well as 75553		
78074	PER	COM	Washoe County	S2	SE	26	22	21	**	2.00		**	0.55				
78714	PER	I&D	Michael B. Stewart Living Trust	SW	NE	8	22	21	13.75	55.00		6.20	20.40		Well WT-2		
78714	PER	I&D	Michael B. Stewart Living Trust	SE	NE	8	22	21				36.80			POU same as 68300, et. al.		
78714	PER	I&D	Michael B. Stewart Living Trust	N2	NW	9	22	21				52.00					
78714	PER	I&D	Michael B. Stewart Living Trust	S2	N2	9	22	21				132.50					
78715	PER	I&D	Honalo Kai, LLC	SW	NE	8	22	21	1.23	4.90		6.20	1.82	1.225 acres	Well WT-2		
78715	PER	I&D	Honalo Kai, LLC	SE	NE	8	22	21				36.80			POU same as 68300, et. al.		
78715	PER	I&D	Honalo Kai, LLC	N2	NW	9	22	21				52.00					
78715	PER	I&D	Honalo Kai, LLC	S2	N2	9	22	21				132.50					
79768	PER	COM	Washoe County	E2	NE	6	22	21	**	0.95		**	0.00	Equestrian Center	See 79769		
79768	PER	COM	Washoe County	NE	SE	6	22	21				2172.96					
79769	PER	COM	Washoe County	SE	NE	6	22	21	**	5.00		**	0.00	Equestrian Center	See 79768		
79769	PER	COM	Washoe County	NE	SE	6	22	21				2172.96					
79984	E-PER	ENV	The Boeing Company	NW	NE	7	22	22	**	40.30		**	0.00		Exist DOM well "Hamilton Well" Area D		
V09749	VST	IRR	Goldfin, Sheldon J. & Aida L.	N2	NE	18	21	22	40.00	0.00		0.00	0.00	No use	Not Adjudicated; Also claim stockwatering of up to 25,000 head of cattle		
DOMW			DOMESTIC WELLS				310			347.20	Duty = 1.12 AF per well (1000 gal./day)				Est. from WaCo Assessor records of parcel "improvements" & domestic well reports		
CTOT			COLUMN TOTALS					7043.53	398.07								
DTOT			DUTY TOTALS					6645.46			2172.96						

APPENDIX B

NUMERICAL LISTING BY

APPLICATION NUMBER

AND

SUMMARY OF GROUNDWATER PUMPED

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2006	2007	2008	2009	2010	2011
23888	8283	562.40	IRR	404.94	428.82	428.83	251.87	251.87	0.00
24099	7599	4.00	STK	2.06	3.04	<u>2.30</u>	2.38	2.10	3.52
27395	9317	8.01	REC	0.82	0.68	1.62	0.67	0.66	0.73
28071	RLP	2.50	DOM						
28076	RLP	7.50	DOM						
30108	RLP	8.00	DOM						
30109	RLP	5.00	DOM						
32363	12348	24.00	IRR	21.17	<u>8.00</u>	<u>1.00</u>	<u>0.66</u>	<u>0.66</u>	<u>0.66</u>
34668	10495	8.00	I&D	3.14	3.35	3.35	3.35	3.35	2.14
35486	10034	8.00	IRR	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	8.00
35565	11087	0.17	REC	0.30	0.15	0.60	0.67	0.68	2.51
39166	10496	25.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
39167	10457	152.00	IRR	210.00	<u>160.00</u>	<u>150.00</u>	<u>150.00</u>	<u>135.00</u>	140.00
39593	16807	64.60	I&D	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	64.73	0.02
39849	PER	19.98	REC	1.53	2.27	4.28	4.28	4.29	3.29
40587	11180	25.00	IRR	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
42403	11875	0.02	Q-M	0.01	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	0.01
43005	11238	5.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
43006	11181	8.00	I&D	2.00	<u>2.00</u>	<u>1.00</u>	<u>1.00</u>	<u>0.00</u>	0.00
45095	10798	8.00	I&D	7.17	<u>6.00</u>	<u>4.00</u>	<u>4.00</u>	<u>0.00</u>	0.00
46199	13137	156.50	IRR	140.70	72.85	72.84	84.11	84.11	63.22
46199	RLP	3.00	DOM						
47562	12057	16.00	I&D	15.10	<u>12.00</u>	<u>12.00</u>	<u>12.00</u>	<u>12.00</u>	17.38
47599	13820	2.00	IRR	0.38	0.25	0.08	0.00	0.00	0.19
48819	12354	5.20	STK	0.90	<u>0.00</u>	<u>0.90</u>	<u>0.90</u>	<u>0.10</u>	0.90
49445	13822	2.50	IRR	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	0.00
49669	11974	235.40	IRR	125.33	60.80	2.59	0.00	0.00	0.00
49670	11975	300.00	IRR	157.45	77.49	3.29	0.00	0.00	0.00
50021	13542	14.94	STK	15.37	22.71	<u>14.67</u>	8.88	7.85	13.15
50054	13051	10.00	I&D	8.48	8.54	8.40	2.97	2.97	3.35
50056	RLP	4.00	DOM						
50764	15254	24.00	I&D	1.80	<u>0.00</u>	<u>0.00</u>	24.00	4.37	0.79
51002	13241	12.00	I&D	4.77	<u>2.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	0.00
51169	16539	8.00	I&D	5.12	6.49	6.49	3.13	3.13	<u>2.13</u>
51474	17308	7.00	I&D	4.48	6.06	6.06	2.00	0.92	1.87
51534	RLP	2.02	DOM						
51972	RLP	2.02	DOM						
51973	RLP	2.02	DOM						
51974	RLP	2.02	DOM						

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2006	2007	2008	2009	2010	2011
51975	RLP	2.02	DOM						
51976	RLP	2.02	DOM						
51977	RLP	2.02	DOM						
52089	PER	18.37	Q-M	0.00	0.00	0.00	0.00	0.00	0.00
52202	13311	16.00	IRR	18.91	23.02	23.02	17.26	17.26	10.95
52842	13312	4.00	I&D	4.73	5.75	5.75	4.31	4.31	2.74
53242	PER	5.00	IRR	3.48	5.13	5.88	5.88	5.88	3.55
53275	14073	4.00	I&D	4.03	3.50	3.50	4.34	4.34	<u>4.00</u>
53278	RLP	5.00	DOM						
53304	12898	4.59	I&D	4.60	6.08	6.08	2.25	2.25	0.00
53306	12900	20.40	I&D	20.40	27.02	27.02	10.00	10.00	0.00
53307	12901	32.12	I&D	32.12	42.54	42.54	15.75	15.75	0.00
53308	12902	127.88	I&D	127.88	169.35	169.35	62.70	62.70	0.00
53313	PER	55.10	Q-M	10.99	13.50	13.81	13.99	10.40	15.07
53343	RLP	16.00	DOM						
53346	15930	1.50	IRR	1.76	1.64	1.64	1.32	1.32	<u>1.50</u>
53346	RLP	2.50	DOM						
53674	15949	2.50	IRR	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	0.00
53864	RLP	4.00	DOM						
53865	RLP	15.00	DOM						
54167	RLP	8.00	DOM						
54265	RLP	1.00	DOM						
54463	PER	1.00	IRR	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
54463	RLP	5.00	DOM						
54465	RLP	16.00	DOM						
54466	RLP	12.00	DOM						
54468	RLP	16.00	DOM						
54470	RLP	16.00	DOM						
54889	14080	10.00	IRR	9.00	6.20	6.20	4.91	4.91	12.45
55118	RLP	7.50	DOM						
55119	RLP	3.50	DOM						
55326	PER	8.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
55483	PER	1.50	IRR	0.61	0.43	0.43	0.35	0.35	0.17
55483	RLP	2.50	DOM						
55603	14068	180.00	IRR	87.88	<u>139.47</u>	<u>139.47</u>	<u>116.23</u>	<u>105.77</u>	<u>101.41</u>
55604	14069	43.36	IRR	21.15	<u>33.56</u>	<u>33.56</u>	<u>27.97</u>	<u>25.45</u>	<u>24.40</u>
55605	14070	11.72	IRR	5.72	<u>9.08</u>	<u>9.08</u>	<u>7.57</u>	<u>6.89</u>	<u>6.60</u>
55606	14071	304.68	IRR	148.76	<u>236.08</u>	<u>236.08</u>	<u>196.74</u>	<u>179.03</u>	<u>171.65</u>
55607	14072	4.24	IRR	2.09	<u>3.32</u>	<u>3.32</u>	<u>2.77</u>	<u>2.52</u>	<u>2.41</u>

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2006	2007	2008	2009	2010	2011
55656	14987	4.00	IRR	4.21	3.33	3.33	3.33	3.33	2.88
55657	15950	1.50	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
55657	RLP	2.50	DOM						
55658	15951	24.50	IRR	1.31	0.00	0.00	<u>0.00</u>	0.00	0.00
55659	15952	4.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
56164	RLP	2.50	DOM						
56472	16173	4.00	IRR	4.03	3.49	3.49	4.33	4.33	4.00
56927	RLP	5.00	DOM						
56929	RLP	20.00	DOM						
56930	RLP	1.20	DOM						
56931	RLP	7.20	DOM						
56932	RLP	12.50	DOM						
56933	RLP	17.50	DOM						
56934	RLP	3.60	DOM						
56963	RLP	8.00	DOM						
57084	14031	409.48	IRR	362.43	344.23	344.23	264.32	264.32	1.54
57085	14078	92.52	IRR	90.48	89.87	89.87	50.64	50.64	0.00
57086	14032	112.40	IRR	109.92	109.17	109.17	61.52	61.52	0.00
57087	14033	0.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
57088	14034	9.08	IRR	8.88	8.82	8.82	4.97	4.97	0.00
57089	14035	0.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
57090	14036	57.32	IRR	50.73	48.19	48.19	37.00	37.00	0.22
57091	14037	0.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
57092	14038	68.80	IRR	60.90	57.84	57.84	44.41	44.41	0.26
57093	14039	86.00	IRR	76.12	72.30	72.30	55.51	55.51	0.33
57094	14040	150.60	IRR	133.30	126.60	126.60	97.21	97.21	0.57
57095	14041	127.60	IRR	124.78	123.94	123.94	69.84	69.84	0.00
57175	RLP	4.00	DOM						
57444	15276	11.20	IRR	5.47	<u>8.68</u>	<u>8.68</u>	<u>7.23</u>	<u>6.58</u>	<u>6.31</u>
57445	15277	24.00	IRR	11.72	<u>18.60</u>	<u>18.60</u>	<u>15.50</u>	<u>14.10</u>	<u>13.52</u>
57446	15278	20.80	IRR	10.16	<u>16.12</u>	<u>16.12</u>	<u>13.43</u>	<u>12.22</u>	<u>11.71</u>
57447	15279	13.97	IRR	6.82	<u>10.83</u>	<u>10.83</u>	<u>9.02</u>	<u>8.21</u>	<u>7.87</u>
57448	15280	5.50	IRR	2.69	<u>4.26</u>	<u>4.26</u>	<u>3.55</u>	<u>3.23</u>	<u>3.10</u>
57526	RLP	4.00	DOM						
57664	15412	8.00	IRR	6.76	8.13	8.13	8.13	8.13	8.15
57983	16909	1.50	IRR	0.98	1.20	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
57983	RLP	2.50	DOM						
58057	RLP	1.00	DOM						
58359	RLP	5.00	DOM						

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2006	2007	2008	2009	2010	2011
58507	14042	8.96	IRR	8.76	8.70	8.70	4.90	4.90	0.00
58508	14043	52.00	IRR	50.85	50.51	50.51	28.46	28.46	0.00
58509	14044	2.60	IRR	2.54	2.53	2.53	1.42	1.42	0.00
60214	PER	110.21	Q-M	8.59	10.40	7.40	7.55	8.93	7.37
60975	E-PER	16.13	ENV	0.00	0.00	0.00	0.00	0.00	0.00
62598	RLP	8.00	DOM						
62599	RLP	8.00	DOM						
62600	RLP	8.00	DOM						
62640	RLP	2.00	DOM						
62641	RLP	5.50	DOM						
62642	RLP	2.00	DOM						
62643	16543	5.00	IRR	5.01	0.39	0.39	3.58	3.58	5.02
62644	16544	10.00	IRR	10.03	0.77	0.77	7.17	7.17	10.03
62827	PER	1.00	I&D	1.39	1.62	1.61	1.61	1.62	0.99
62889	17291	80.00	IRR	63.85	92.51	92.51	73.54	73.54	76.61
62890	17292	540.00	IRR	430.98	624.43	624.43	496.40	496.40	517.12
63064	15932	8.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
63065	15933	11.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
63070	E-PER	48.39	ENV	5.49	4.51	3.25	0.52	0.00	0.00
63071	E-PER	48.39	ENV	5.47	10.53	15.87	1.57	0.00	0.00
63072	15934	4.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
63074	15935	6.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
63139	RLP	3.50	DOM						
63456	15939	4.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
63708	15940	10.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
64011	PER	8.00	IRR	4.23	5.01	5.01	3.52	3.52	3.15
64265	15941	8.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
64266	15942	4.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
64268	15943	4.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
64269	15944	8.50	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
64501	15947	7.00	I&D	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
64812	PER	4.50	I&D	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
64812	RLP	2.50	DOM						
65072	PER	39.00	I&D	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
65073	PER	0.00	I&D	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
65500	PER	12.00	I&D	5.66	0.60	14.74	16.54	16.54	12.72
65570	E-PER	177.40	ENV	9.73	9.36	6.91	3.93	3.10	3.64
65571	E-PER	129.00	ENV	10.73	9.05	7.79	6.72	9.11	8.95
65572	E-PER	56.40	ENV	14.83	12.06	8.01	6.84	6.76	12.43

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2006	2007	2008	2009	2010	2011
65573	E-PER	40.30	ENV	0.69	0.62	0.37	0.34	0.37	0.47
65680	PER	4.00	I&D	1.56	5.58	5.58	5.58	5.58	6.23
66410	RLP	1.12	DOM						
66411	16549	0.46	COM	2.11	1.53	1.53	1.15	1.16	1.99
66411	RLP	3.38	DOM						
66859	RLP	5.00	DOM						
67629	PER	2.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
67630	PER	2.50	IRR	0.32	1.51	1.50	0.34	0.34	0.27
67632	PER	0.00	Q-M	3.90	4.70	5.46	4.76	3.56	5.22
67633	PER	0.00	Q-M	0.00	0.00	0.00	0.00	0.00	0.00
67732	PER	2.00	IRR	0.49	0.40	0.40	0.66	0.66	0.45
67952	PER	5.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
67952	RLP	7.50	DOM						
67992	PER	9.50	IRR	4.99	22.26	0.05	<u>0.00</u>	0.65	2.22
68067	17270	40.00	IRR	90.91	<u>40.00</u>	<u>40.00</u>	<u>40.00</u>	<u>40.00</u>	<u>40.00</u>
68068	17271	30.00	IRR	68.18	<u>30.00</u>	<u>30.00</u>	<u>30.00</u>	<u>30.00</u>	<u>30.00</u>
68069	17272	20.00	I&D	45.45	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>
68070	17273	20.00	I&D	45.45	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>
68228	17293	192.00	IRR	124.05	239.64	239.64	165.93	165.93	71.22
68300	PER	4.00	IRR	4.86	2.71	2.71	2.71	2.71	0.88
68313	PER	6.00	IRR	7.89	1.02	0.68	0.34	0.34	0.25
68314	PER	6.00	I&D	3.93	0.60	0.59	0.30	0.30	0.52
68315	PER	4.00	I&D	1.86	0.42	0.43	<u>0.45</u>	<u>0.45</u>	0.38
68709	PER	52.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
68845	17294	52.00	I&D	52.00	64.90	64.90	44.94	44.94	19.29
68847	17295	28.00	I&D	28.00	34.95	34.95	24.20	24.20	10.39
68849	17296	20.00	I&D	20.00	24.96	24.96	17.28	17.28	7.42
68914	PER	5.00	I&D	6.07	3.39	3.38	3.38	3.39	1.10
68915	PER	5.20	IRR	6.32	3.53	3.52	3.52	3.52	1.15
68919	E-PER	24.18	ENV	0.77	0.00	0.00	0.00	0.00	0.00
69025	PER	8.00	IRR	5.47	2.46	7.20	8.66	8.67	7.74
69032	RLP	40.00	DOM						
69033	RLP	60.00	DOM						
69034	RLP	13.16	DOM						
69035	RLP	0.84	DOM						
69036	RLP	10.00	DOM						
69037	RLP	33.50	DOM						
69169	E-PER	16.07	ENV	0.44	0.46	0.40	0.34	0.31	0.32
69226	PER	9.50	I&D	6.34	5.96	5.95	4.18	4.18	3.74

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2006	2007	2008	2009	2010	2011
69226	RLP	2.50	DOM						
69432	E-PER	16.07	ENV	0.36	0.46	0.40	0.25	0.31	0.28
69580	17298	3.88	I&D	3.88	4.84	4.84	3.35	3.35	1.44
69582	17299	12.12	I&D	12.12	15.13	15.13	10.47	10.47	4.50
69584	17300	6.00	I&D	6.00	7.49	7.49	5.19	5.19	2.23
69586	17301	14.00	I&D	14.00	17.47	17.47	12.10	12.10	5.19
69708	PER	0.00	Q-M	8.93	11.69	13.63	11.88	8.93	12.98
69709	PER	0.00	Q-M	15.68	17.92	16.57	13.78	17.43	12.74
69780	PER	2.50	IRR	4.51	0.35	0.35	1.79	1.79	2.51
69781	PER	5.50	I&D	5.51	0.43	0.43	3.94	3.94	5.52
69798	E-PER	15.98	ENV	0.01	0.00	0.00	0.00	0.00	0.00
70223	E-PER	16.07	ENV	0.00	0.00	0.00	0.00	0.00	0.00
70420	RLP	6.00	DOM						
70699	RLP	2.50	DOM						
70762	PER	2.00	IRR	2.02	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.17
70763	PER	6.00	IRR	7.89	2.48	2.48	0.46	0.45	0.25
70856	PER	1.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
70857	PER	0.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	0.26
71589	PER	14.94	STK	0.00	0.00	<u>1.00</u>	8.88	7.85	13.15
71744	PER	2.30	I&D	0.00	0.55	0.54	0.92	0.92	1.88
71744	RLP	2.50	DOM						
71745	PER	3.00	IRR	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00
71777	PER	1.00	I&D	0.87	0.98	0.98	0.99	0.99	0.50
71953	17302	19.00	I&D	45.57	23.71	23.71	16.42	16.42	7.05
71954	17303	20.00	I&D	47.97	24.96	24.96	17.28	17.28	7.42
71955	17304	20.00	I&D	47.97	24.96	24.96	17.28	17.28	7.42
71956	17305	12.00	I&D	28.78	14.98	14.98	10.37	10.37	4.45
71957	17306	12.50	I&D	29.98	15.60	15.60	10.80	10.80	4.64
73117	E-PER	8.03	ENV	8.78	8.93	4.51	0.43	0.00	0.00
73238	PER	6.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00	5.01
73239	PER	1.50	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00	1.25
73239	RLP	2.50	DOM						
73443	PER	20.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.10	3.05
73500	RLP	20.00	DOM						
73568	PER	2.50	I&D	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	0.00	0.00
73568	RLP	10.00	DOM						
73841	PER	1.50	Q-M		0.76	0.76	0.65	0.54	1.47
74087	PER	2.00	I&D		0.00	0.00	<u>0.00</u>	0.00	0.00
74438	PER	14.50	I&D		<u>0.00</u>	0.00	<u>0.00</u>	0.00	0.00

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR				
				2006	2007	2008	2009	2010
74439	PER	6.20	I&D		0.00	0.00	<u>0.00</u>	0.00
74440	PER	5.00	IRR		0.00	0.00	<u>0.00</u>	0.00
74441	PER	36.80	IRR		0.00	0.00	<u>0.00</u>	0.00
74442	PER	20.00	IRR		<u>0.00</u>	0.00	<u>0.00</u>	0.00
74986	E-PER	32.26	ENV		0.09	10.93	25.66	24.80
75272	PER	40.00	I&D		0.00	0.00	<u>0.00</u>	0.00
75273	PER	9.42	I&D		0.00	0.00	<u>0.00</u>	0.00
75274	PER	8.08	I&D		0.00	0.00	<u>0.00</u>	0.00
75426	PER	0.05	COM			0.00	0.05	0.05
75427	PER	4.00	I&D		0.00	0.00	0.50	1.28
75428	ABR		COM					1.00
75473	PER	114.80	IRR		111.51	111.51	62.83	62.83
75550	PER	1.50	I&D			0.00	<u>0.00</u>	0.00
75551	PER	3.50	I&D			0.00	<u>0.00</u>	0.00
75552	PER	4.50	I&D			0.00	<u>0.00</u>	0.12
75553	PER	61.20	I&D		31.68	31.69	58.84	58.85
76042	PER	1.00	Q-M			9.03	1.12	0.53
76043	PER	4.00	Q-M			2.92	2.92	2.92
76641	CAN	0.00	IRR					
76641	RLP	1.50	DOM					
76648	PER	4.00	I&D			<u>0.00</u>	0.00	0.00
76937	PER	4.00	Q-M			2.92	2.92	1.34
76938	PER	4.98	Q-M			5.60	2.62	1.67
77037	PER	7.50	I&D			<u>0.00</u>	0.00	0.00
77122	PER	5.00	I&D			<u>0.00</u>	0.00	0.00
77260	RFP		Q-M					
77316	PER	40.00	I&D			<u>0.00</u>	0.00	0.00
77335	PER	8.00	Q-M			8.97	4.21	2.68
77496	PER	10.00	I&D			9.61	9.62	10.43
78074	PER	2.00	COM				0.00	0.55
78714	PER	55.00	I&D				47.53	20.40
78715	PER	4.90	I&D				4.23	1.82
79012	DEN		IRR					
79768	PER	0.95	COM					0.00
79769	PER	5.00	COM					0.00
79984	E-PER	40.30	ENV					0.00
80298	E-RFA		ENV					
80398	RFA		COM					
80399	RFA		COM					

APP. NO.	STATUS 2011	DUTY (AFA)	USE	DUTY USED BY WATER YEAR				
				2006	2007	2008	2009	2010
80400	RFA		COM					
80858	RFA		IRR					
81033	REJ		IRR					
81179	APP		IRR					
V09749	VST		IRR			0.00	<u>0.00</u>	0.00
								0.00

PERMITTED

DUTY	7177.60	1825.76
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Note: "Duty" shown corresponds to the amount available in the "Status" water year and **includes** relinquished rights.

Note: Above figures in **bold** were averaged over metered period.

Note: Above figures underlined were estimated from observed crop or use.

APPENDIX C

BASIN MAP

**WARM SPRINGS VALLEY,
HYDROGRAPHIC BASIN 6-084,
WASHOE COUNTY, NEVADA**

